



### Synopsis

June 2021 was a crazy month with record high temperatures during the first half of the month. The 12<sup>th</sup> was an active day with high winds and wind damage and very large hail. High winds also occurred on most of the days between the 19<sup>th</sup> and 24<sup>th</sup>. The monsoon set in quickly over the last few days of the month, saving us from another exceptionally dry month. In fact, there was so much rain in southeast New Mexico the month ended with precipitation way above normal! The rest of the state was near to above normal, except below normal in the far northeast and far west.

**Note: The new 1991-2020 normals are used in this summary.**

# June 2021 Climate Summary

## State Temperatures

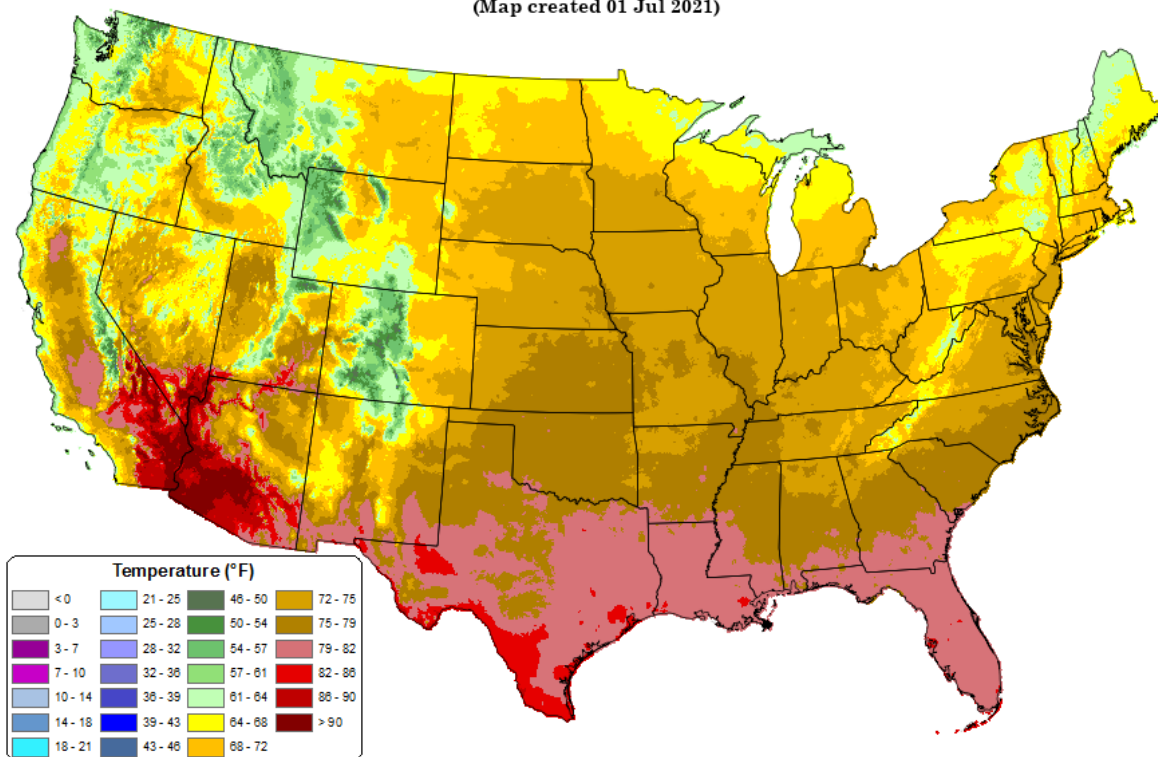
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



### Actual

#### Average Daily Mean Temperature: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021  
(Map created 01 Jul 2021)

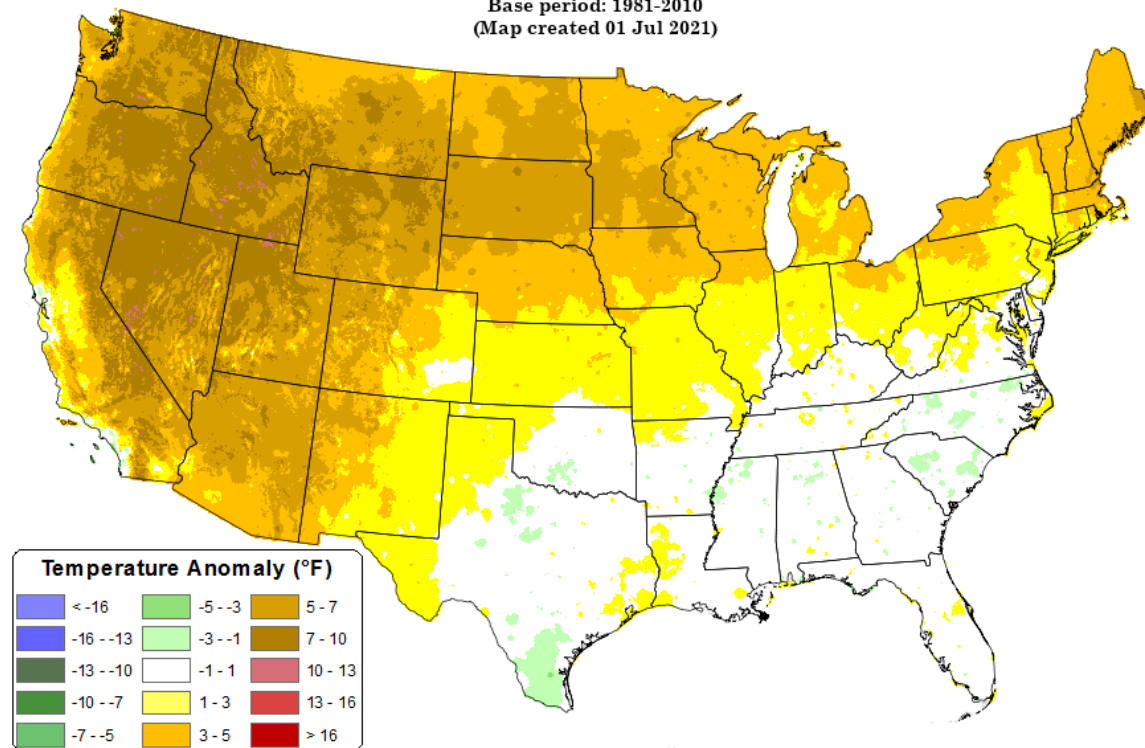


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### Anomaly

#### Daily Mean Temperature Anomaly: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021  
Base period: 1981-2010  
(Map created 01 Jul 2021)



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Temperatures were above normal everywhere, but especially in the western half of New Mexico.

# June 2021 Climate Summary

## State Precipitation

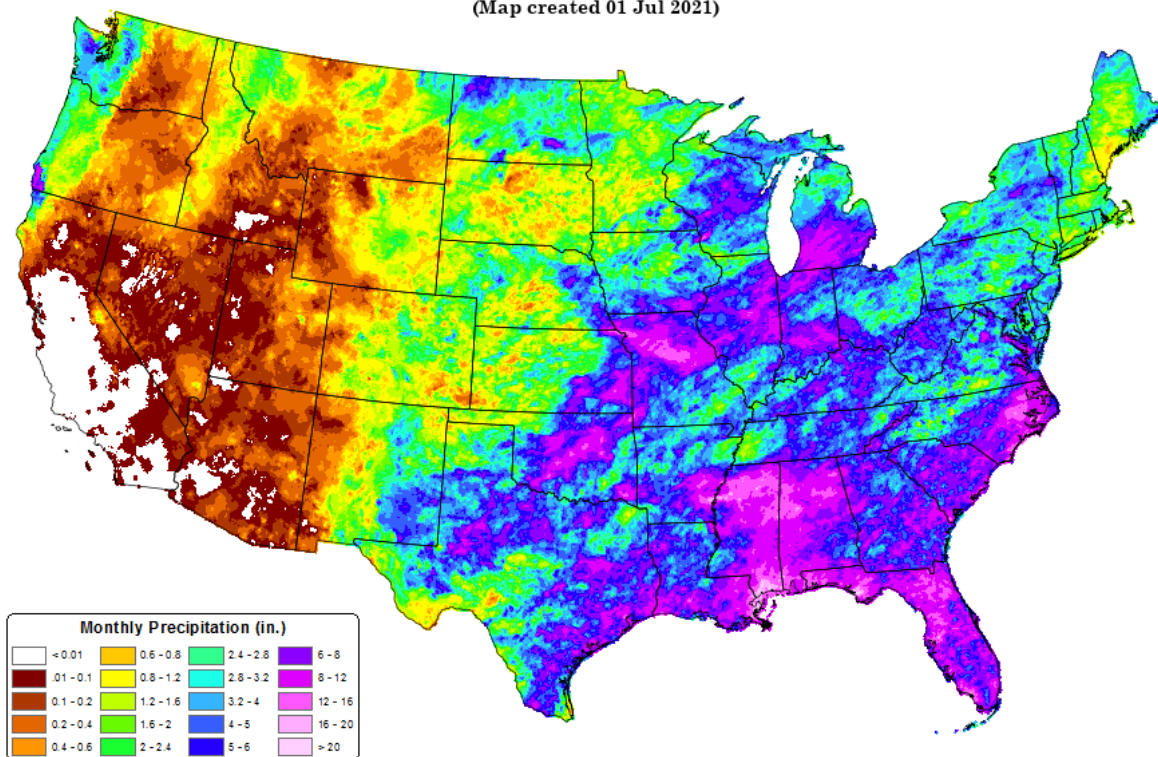
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



### Actual

#### Total Precipitation: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021  
(Map created 01 Jul 2021)

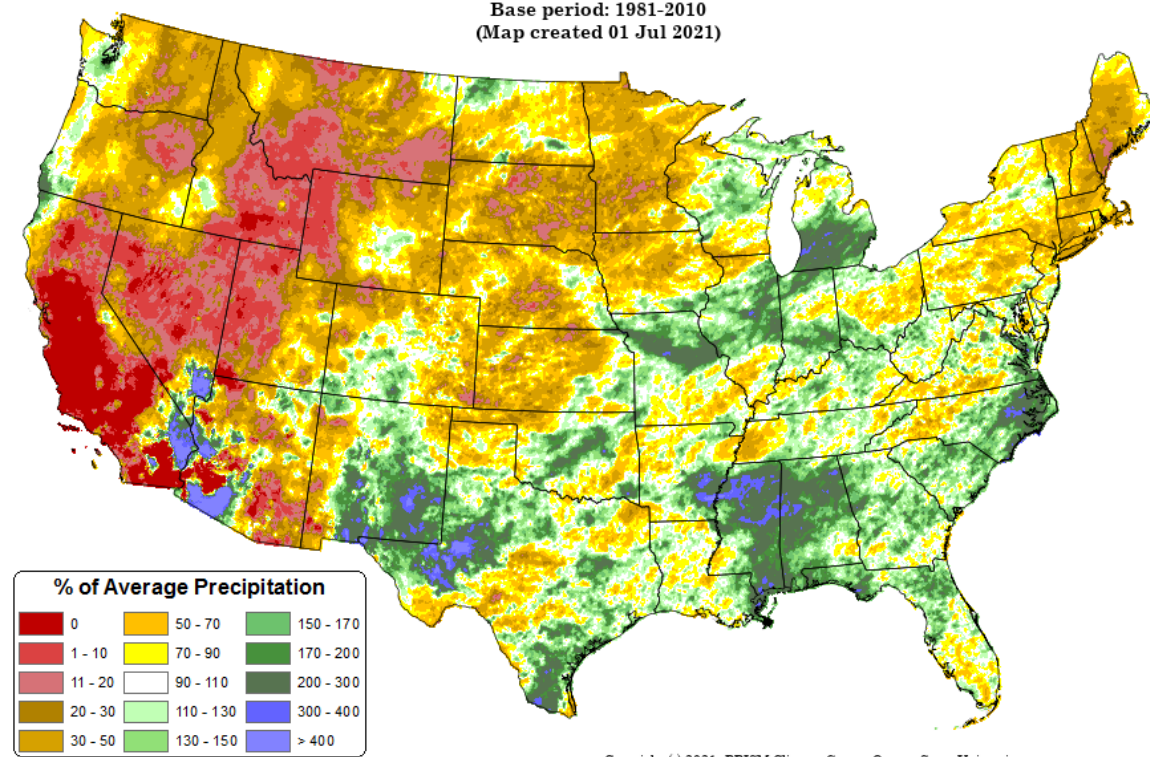


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### Anomaly

#### Total Precipitation Anomaly: 01 Jun 2021 - 30 Jun 2021

Period ending 7 AM EST 30 Jun 2021  
Base period: 1981-2010  
(Map created 01 Jul 2021)



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Precipitation ranged from below normal in the far northeast and far west, to way above normal in portions of southern New Mexico – especially in the southeast where precipitation was 300 to 400 percent of normal!



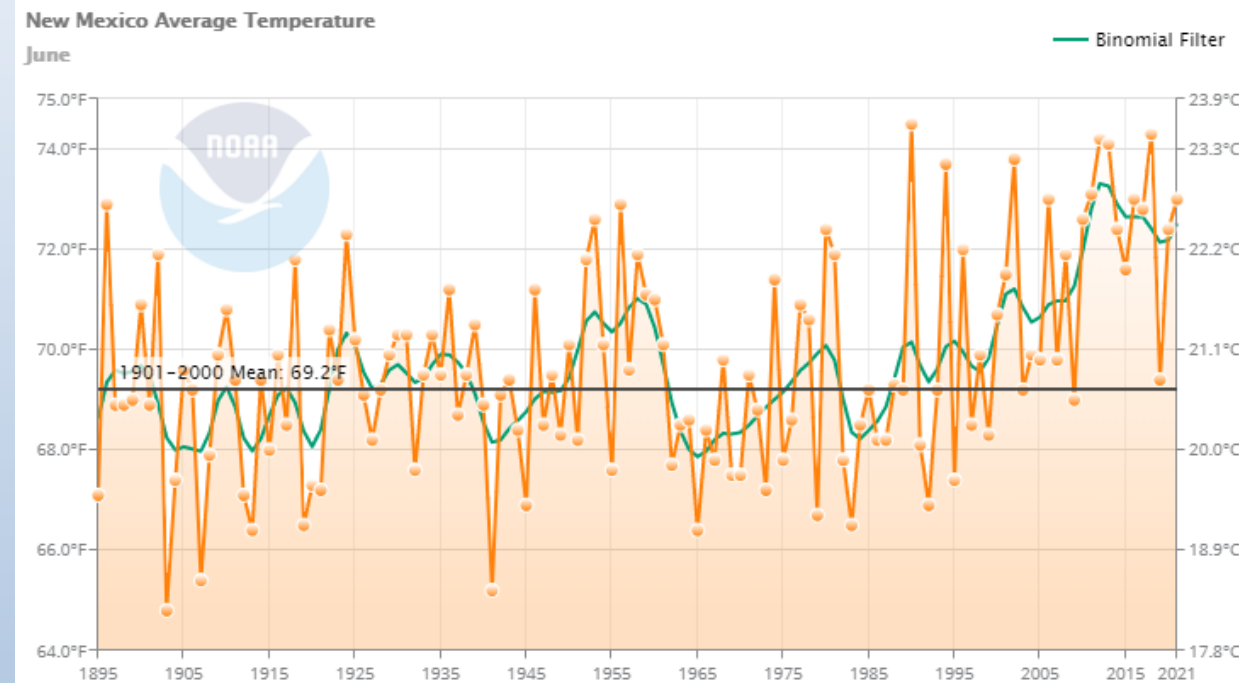
# June 2021 Climate Summary

## Statewide Temperature & Precipitation Trends

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Albuquerque, NM  
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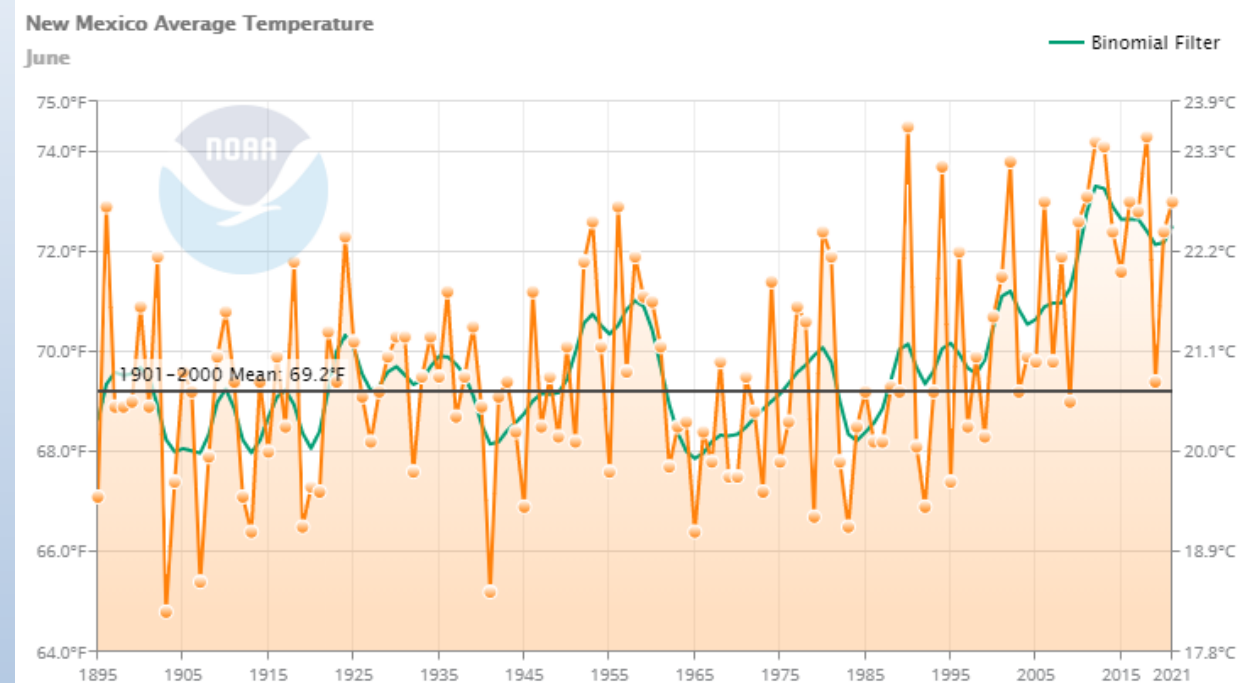


### Temperature



The average statewide temperature was 73.0°, which was 3.8° above the long-term normal of 69.2° (1901-2000). This ranks as a tie for the 8<sup>th</sup> warmest June on record.

### Precipitation



The average statewide precipitation was 1.78", which was 1.17" above the long-term normal of 0.61" (1901-2000). This ranks as the 24<sup>th</sup> wettest June on record.

# June 2021 Climate Summary

## Albuquerque Sunport Temperatures

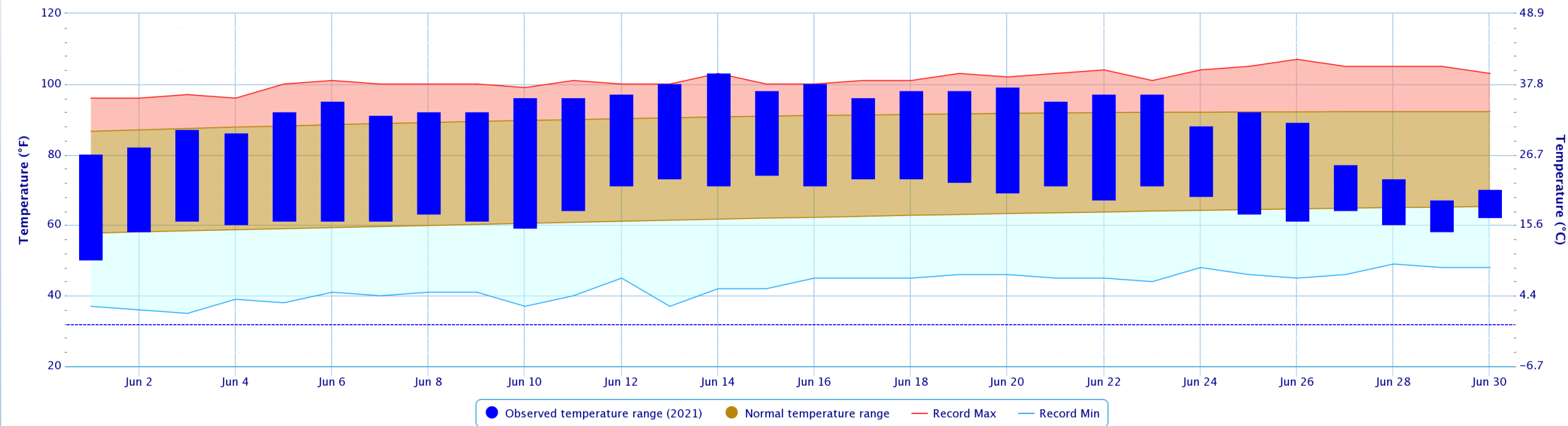
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



(New 1991-2020 normals) Average Temperature: 77.9°

### Daily Temperature Data – Albuquerque Area, NM (ThreadEx)

Period of Record – 1891-12-01 to 2021-06-30. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

The average June temperature for Albuquerque was 77.9°, which was 1.8° above the normal of 76.1°. The average maximum temperature for the month was 90.8°. This was 0.4° above the normal average maximum temperature of 90.4°. The average minimum temperature for the month was 65.0°. This was 3.1° above the normal average minimum temperature of 61.9°. June 2021 was tied for the 14<sup>th</sup> warmest June on record.



NWS Albuquerque

weather.gov/abq

# June 2021 Climate Summary

## Albuquerque Sunport Precipitation

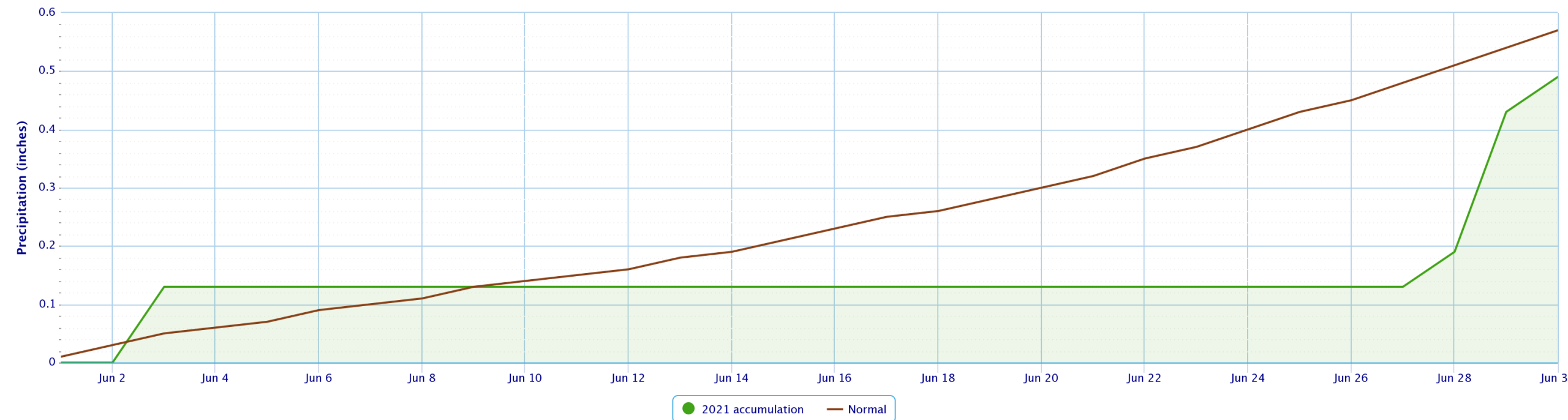
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



(New 1991-2020 normals) Total Precipitation: 0.49"

Accumulated Precipitation – Albuquerque Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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There was 0.49" of precipitation measured at the Sunport, compared to the normal of 0.57", or 0.08" below normal. This was the 76<sup>th</sup> driest June on record (1892-2021).

# June 2021 Climate Summary

## Clayton Temperatures

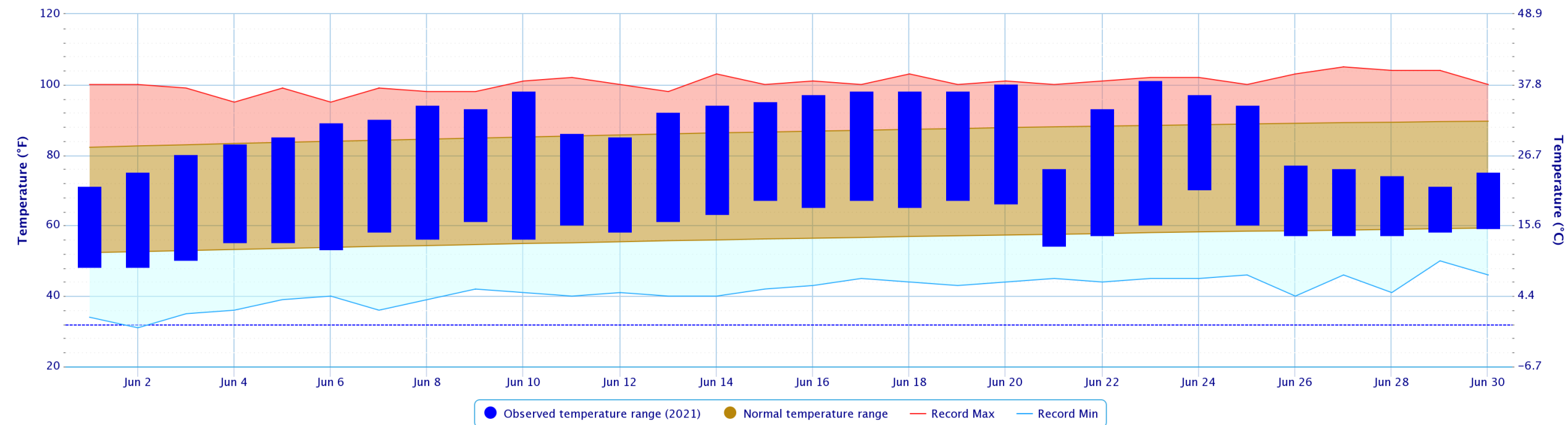
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



(New 1991-2020 normals) Average Temperature: 73.4°

Daily Temperature Data – Clayton Area, NM (ThreadEx)

Period of Record – 1896-02-01 to 2021-06-30. Normals period: 1991-2020. Click and drag to zoom chart.



Powered by ACIS

The average June temperature for Clayton was 73.4°, which was 2.2° above the normal of 71.2°. The average maximum temperature for the month was 87.8°. This was 1.4° above the normal average maximum temperature of 86.4°. The average minimum temperature for the month was 58.9°. This was 2.8° above the normal average minimum temperature of 56.1°. June 2021 was the 17<sup>th</sup> warmest June on record.



NWS Albuquerque

weather.gov/abq

# June 2021 Climate Summary

## Clayton Precipitation

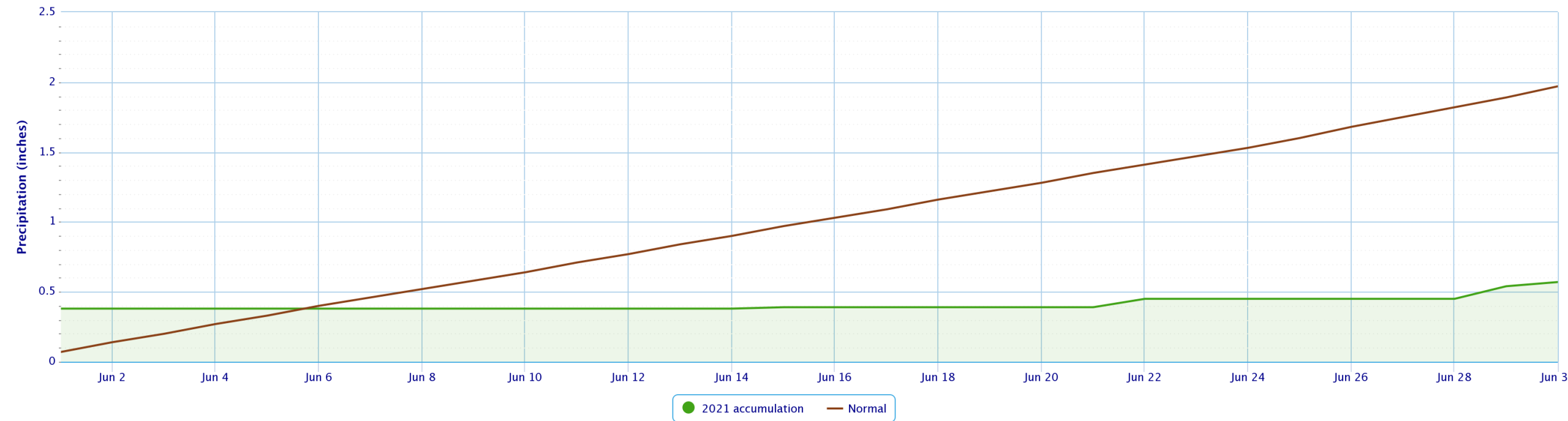
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



(New 1991-2020 normals) Total Precipitation 0.57"

Accumulated Precipitation – Clayton Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



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There was 0.57" of precipitation measured at Clayton in June 2021, compared to the normal of 1.97", or 1.40" below normal. This ranks as the 14<sup>th</sup> driest June on record (1892-2020).



# June 2021 Climate Summary

## Roswell Temperatures

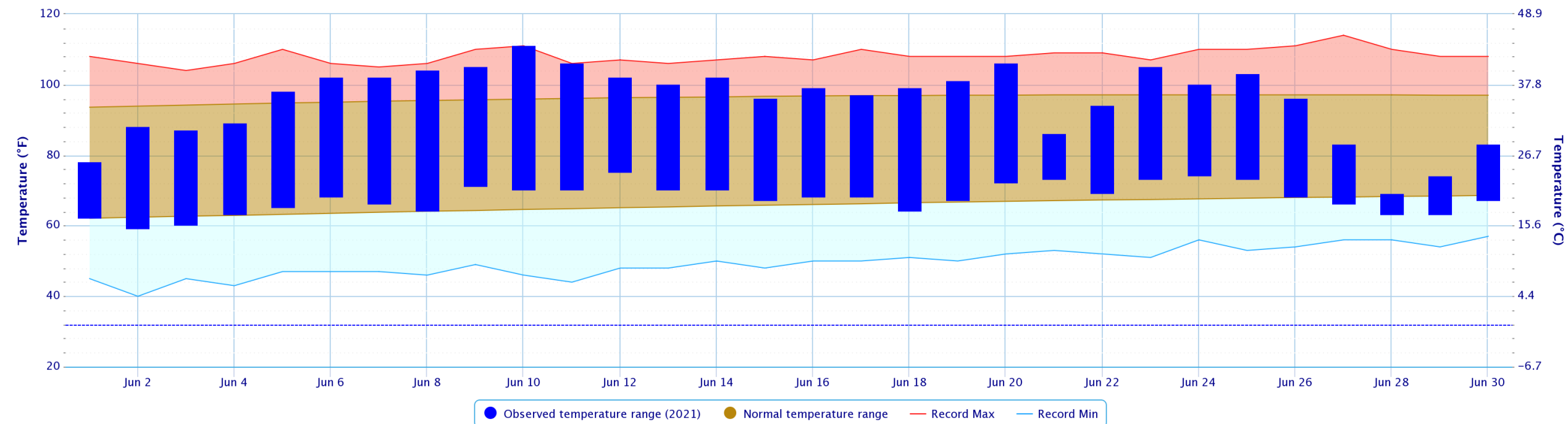
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



(New 1991-2020 normals) Average Temperature: 81.6°

Daily Temperature Data – Roswell Area, NM (ThreadEx)

Period of Record – Max temperature: 1893-01-03 to 2021-06-30; Min temperature: 1893-01-21 to 2021-06-30. Normals period: 1991-2020. Click and drag to zoom chart.



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The average June temperature for Roswell was 81.6°, which was 0.6° above the normal of 81.0°. The average maximum temperature for the month was 95.5°. This was 0.7° below the average maximum temperature of 96.2°. The average minimum temperature for the month was 67.6°. This was 1.9° above the normal average minimum temperature of 65.7°. June 2021 the 10<sup>th</sup> warmest June on record.



NWS Albuquerque

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# June 2021 Climate Summary

## Roswell Precipitation

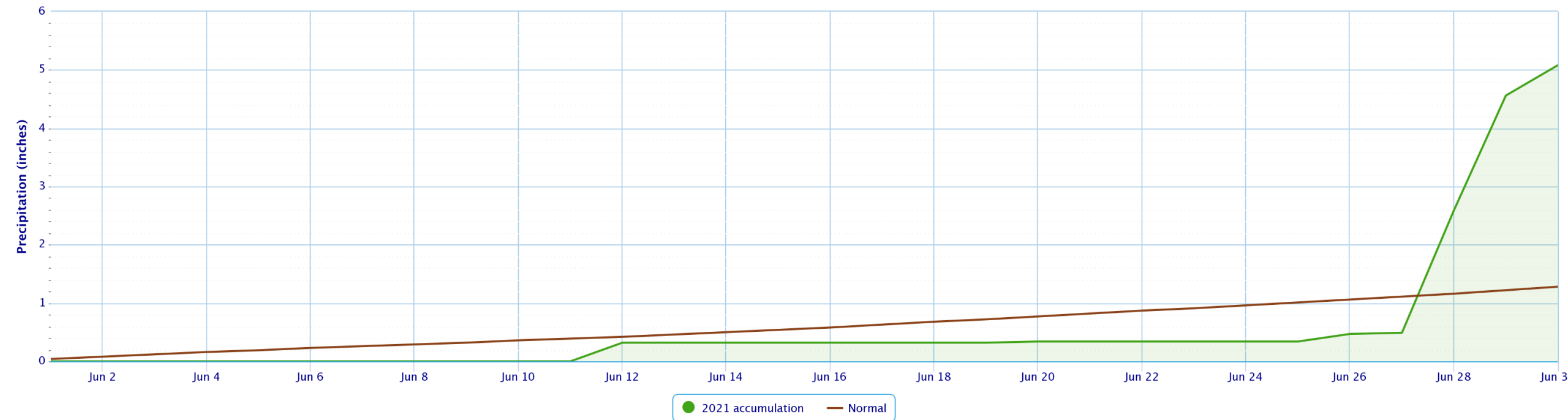
Weather Forecast Office  
Albuquerque, NM  
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(New 1991-2020 normals) Total Precipitation 5.08"

Accumulated Precipitation – Roswell Area, NM (ThreadEx)

Click and drag to zoom to a shorter time interval; green/black diamonds represent subsequent/missing values



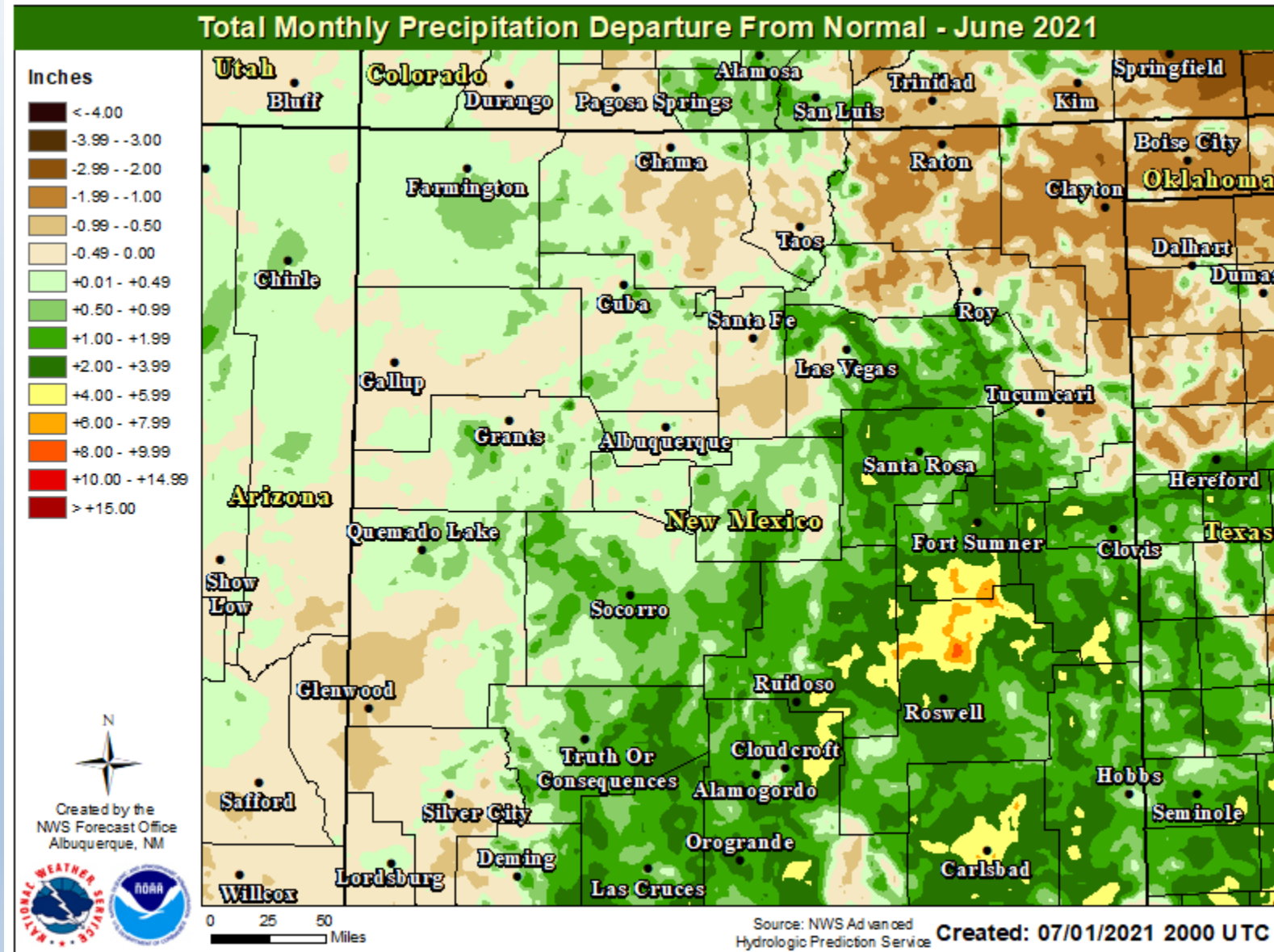
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There was 5.08" of precipitation measured at Roswell, compared to the normal of 1.28", or 3.80" above normal! This ranks as the 3<sup>rd</sup> wettest June on record (1892-2020)!

# June 2021 Climate Summary

## Monthly Precipitation

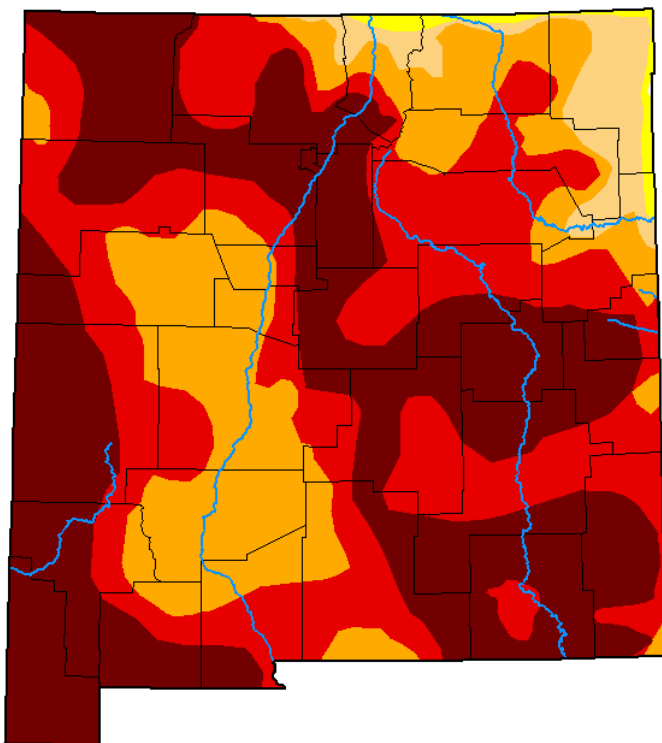
Weather Forecast Office  
Albuquerque, NM  
Issued July 10, 2021 6:22 AM MDT



Here is a more detailed image of the June 2021 precipitation.

June 1

### U.S. Drought Monitor New Mexico



**June 1, 2021**  
(Released Thursday, Jun. 3, 2021)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	0.01	99.99	99.03	94.76	73.97	40.68
Last Week 05-25-2021	0.01	99.99	99.47	94.88	74.71	46.72
3 Months Ago 03-30-2021	0.00	100.00	100.00	99.91	82.18	54.15
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 06-02-2020	32.02	67.98	44.32	23.31	4.53	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

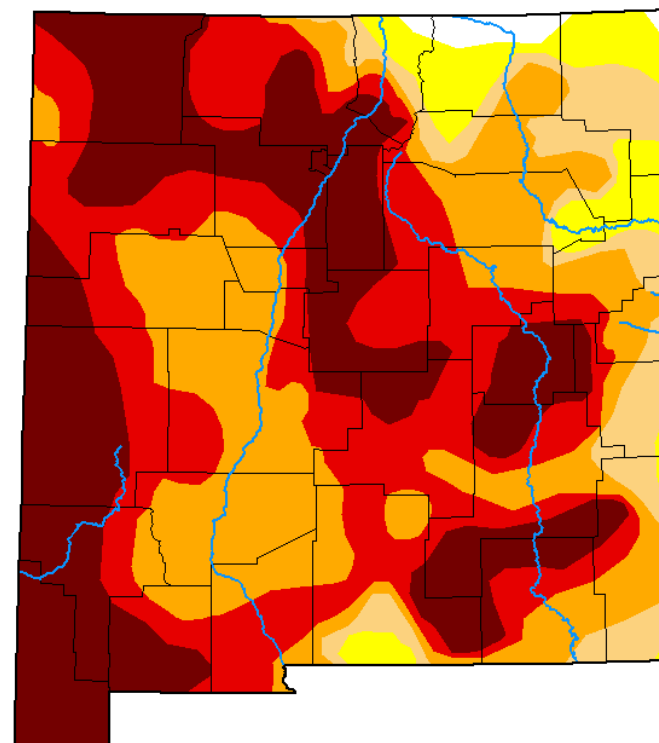
Brian Fuchs  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

June 29

### U.S. Drought Monitor New Mexico

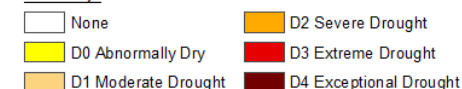


**June 29, 2021**  
(Released Thursday, Jul. 1, 2021)  
Valid 8 a.m. EDT

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	1.04	98.96	92.88	84.87	58.80	30.47
Last Week 06-22-2021	1.04	98.96	94.11	87.49	63.06	31.84
3 Months Ago 03-30-2021	0.00	100.00	100.00	99.35	79.88	53.28
Start of Calendar Year 12-29-2020	0.00	100.00	99.97	99.59	82.26	53.20
Start of Water Year 09-29-2020	0.00	100.00	99.92	73.65	39.88	2.90
One Year Ago 06-30-2020	24.94	75.06	52.71	41.32	11.35	0.00

Intensity:



The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>

Author:

Deborah Bathke  
National Drought Mitigation Center



[droughtmonitor.unl.edu](https://droughtmonitor.unl.edu)

There was some improvement to drought conditions during June 2021, mostly in the northeast. Extreme to exceptional drought covers nearly 59% of the state, of which over 30% is exceptional (D4) drought.

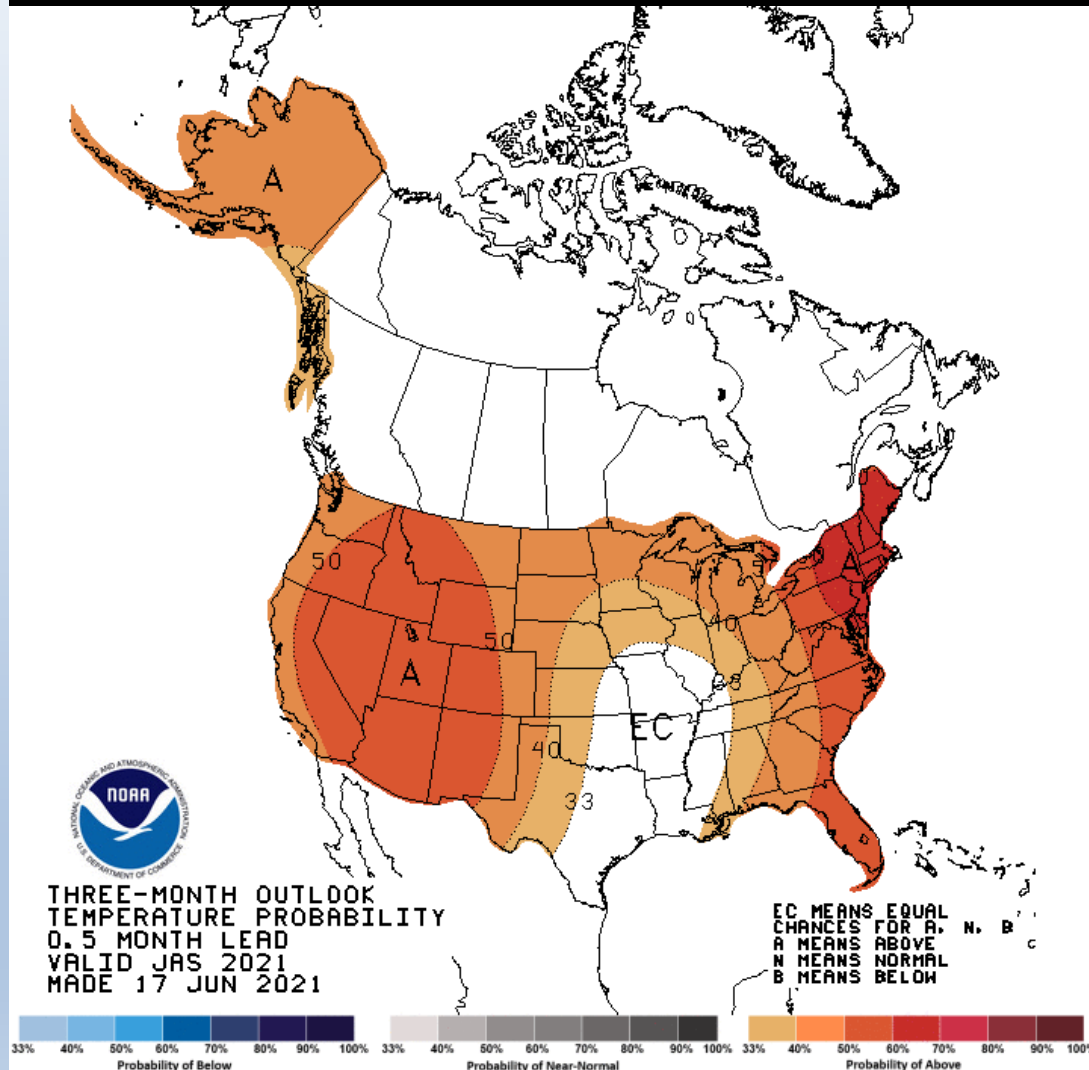
# June 2021 Climate Summary

## 90 Day Temperature & Precipitation Outlook

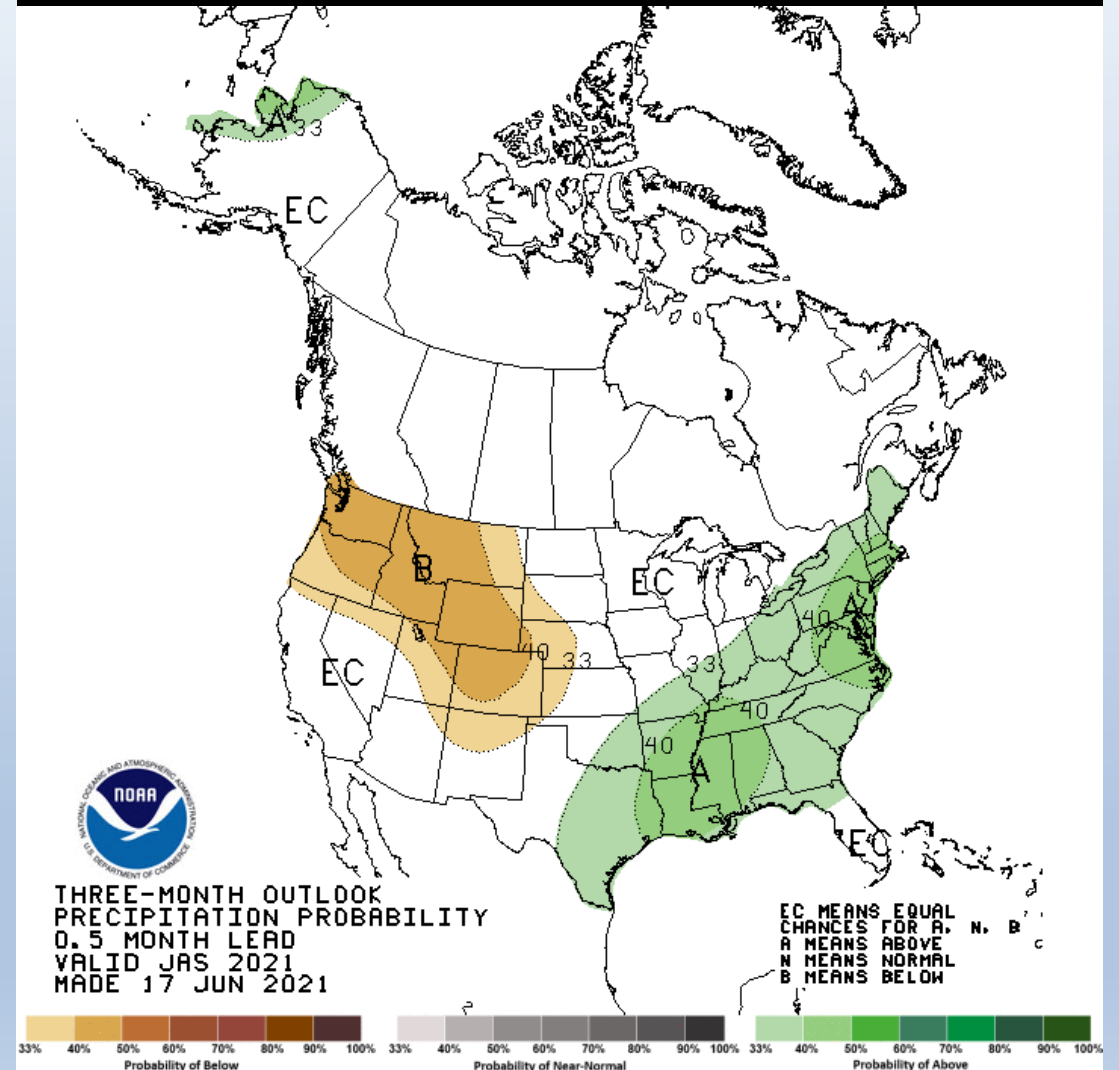
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### Temperature June-June-July










### Precipitation June-June-July



The three month climate outlook from July through September strongly favors above normal temperature probabilities, while precipitation suggests a tendency toward below normal in the north. This would favor at least persistent drought conditions in NM.





-  NCEI Climatological Rankings: <https://www.ncdc.noaa.gov/cag/national/rankings>
-  PRISM Climate Data: <http://www.prism.oregonstate.edu/>
-  NWS Local Climate Pages: <https://w2.weather.gov/climate/index.php?wfo=abq>
-  NCEI Storm Data: <https://www.ncdc.noaa.gov/stormevents/>
-  Questions?: [sr-abq.webmaster@noaa.gov](mailto:sr-abq.webmaster@noaa.gov)
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